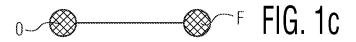
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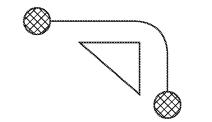


FIG. 1d



FIG. 1e

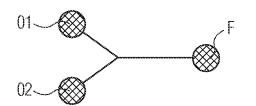
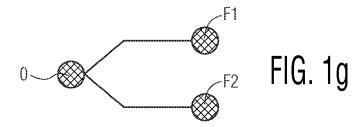
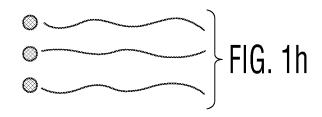


FIG. 1f





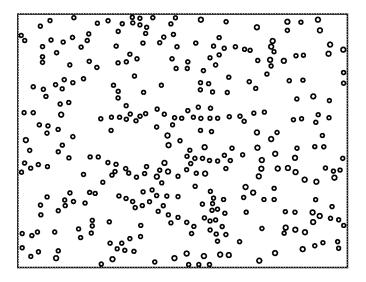


FIG. 2A

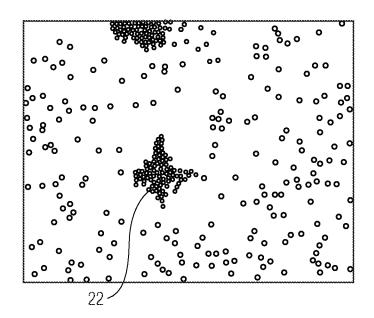


FIG. 2B

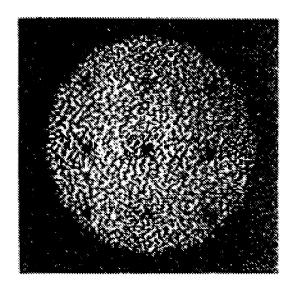


FIG. 2C

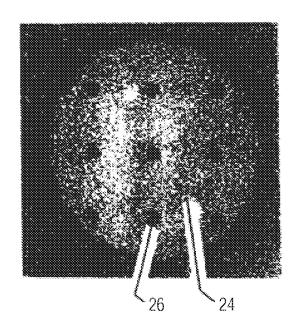
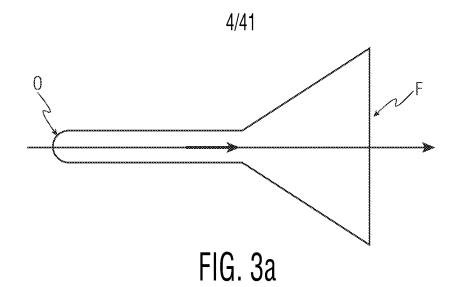
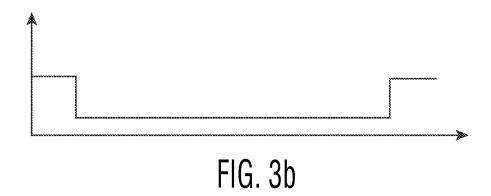


FIG. 2D





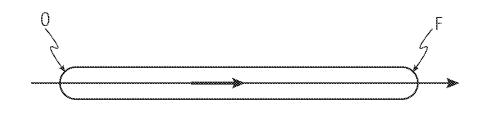
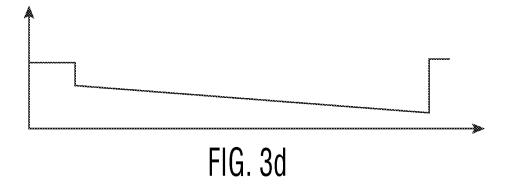


FIG. 3c



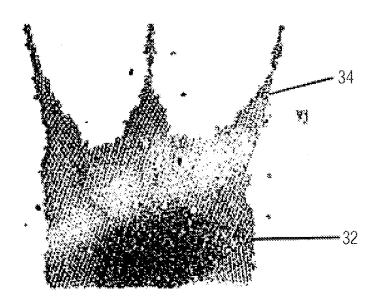


FIG. 3c

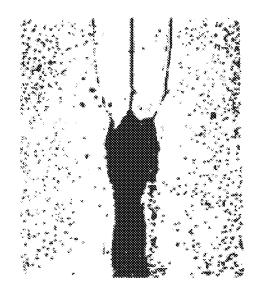


FIG. 3d

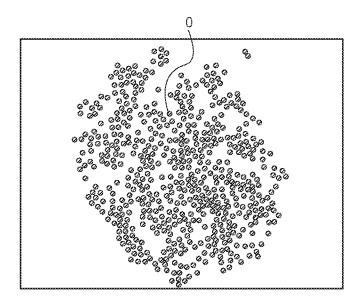


FIG. 4A

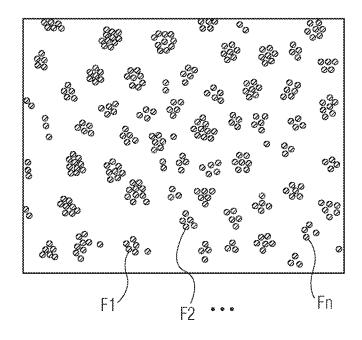


FIG. 4B

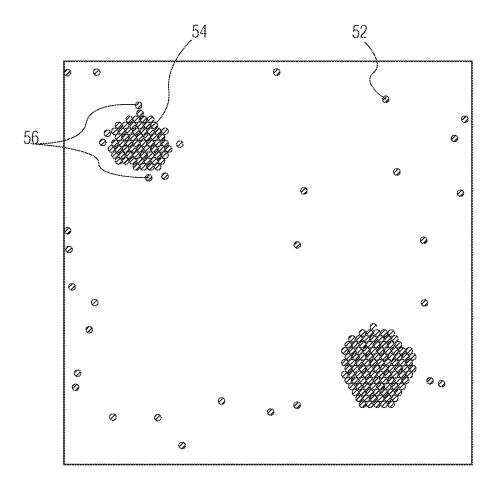


FIG. 5

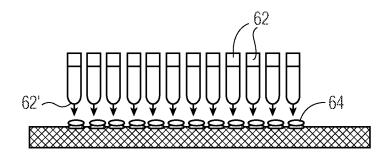


FIG. 6a

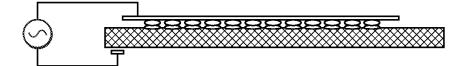


FIG. 6b

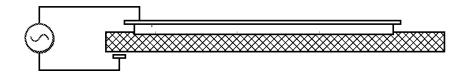


FIG. 6c

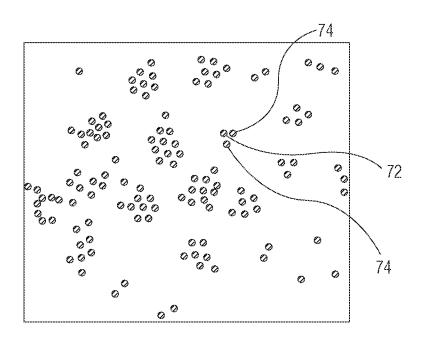
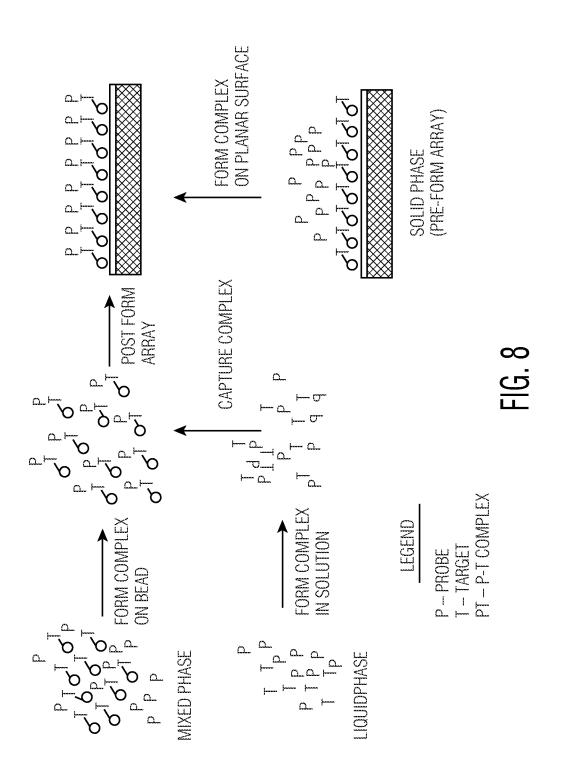
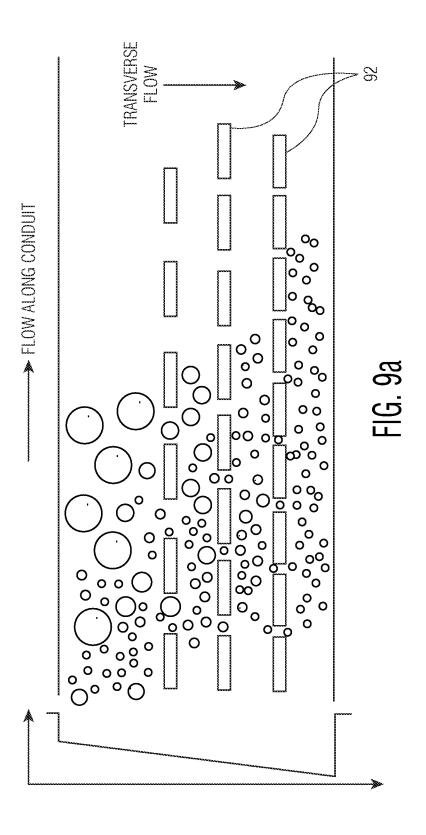


FIG. 7



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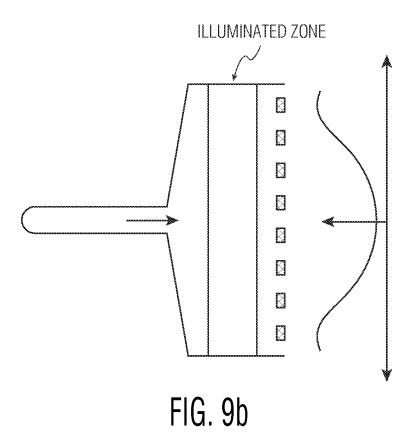
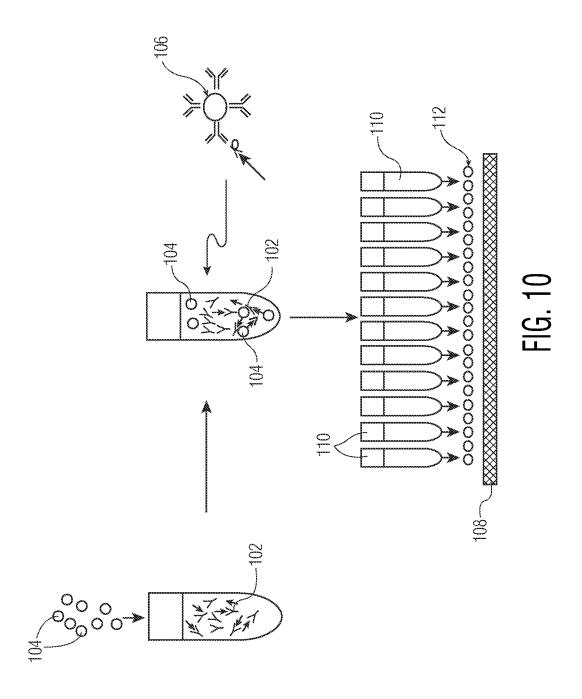
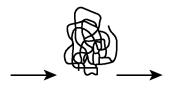


FIG. 9c





LOCAL FLUID VELOCITY

FIG. 11a



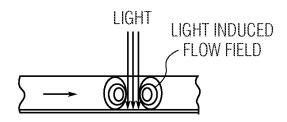


FIG. 11c

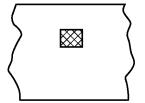


FIG. 11d

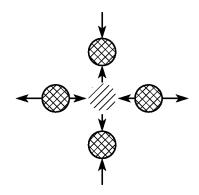


FIG. 11e

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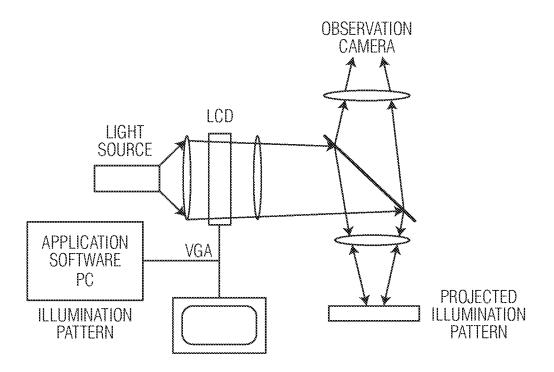


FIG. 12 PRIOR ART

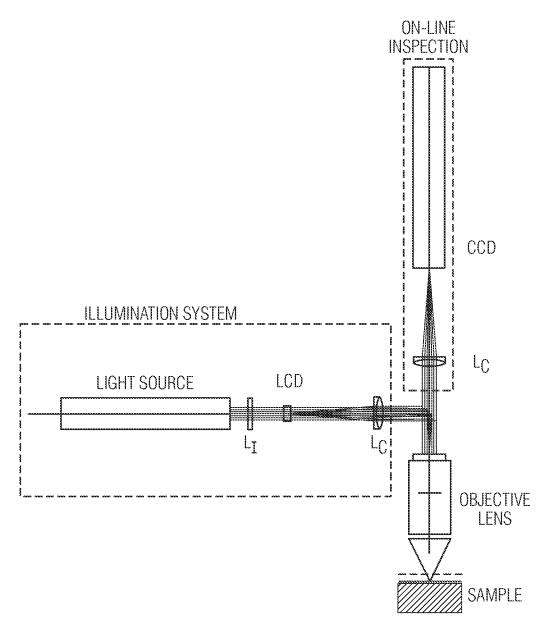
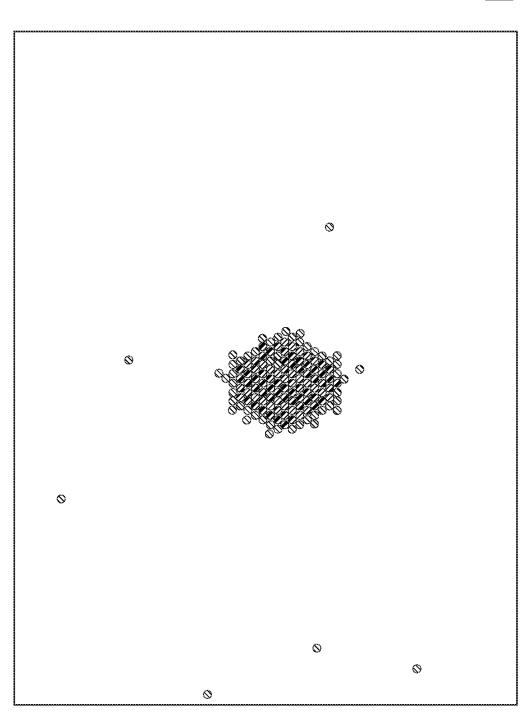
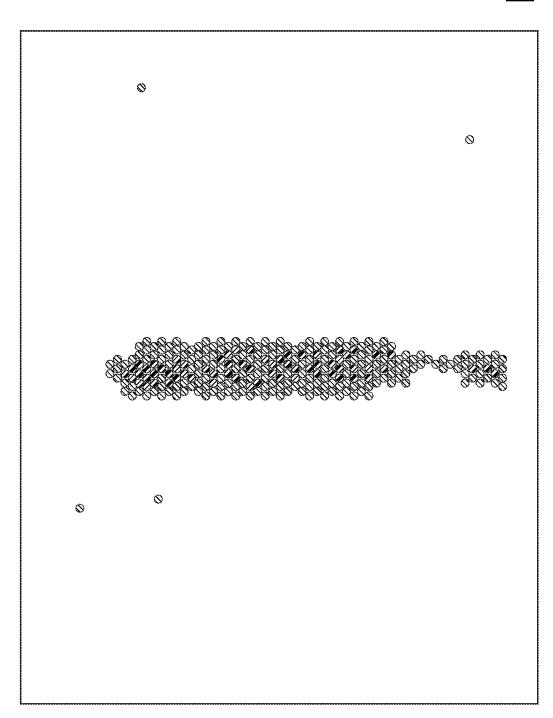
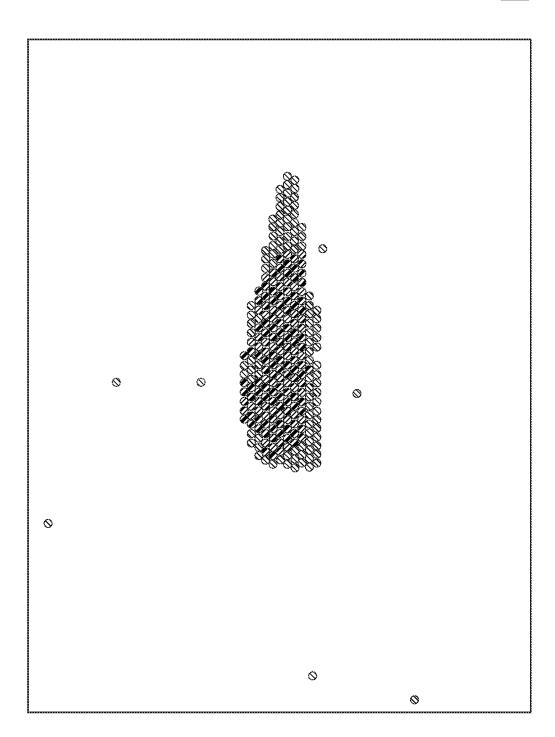


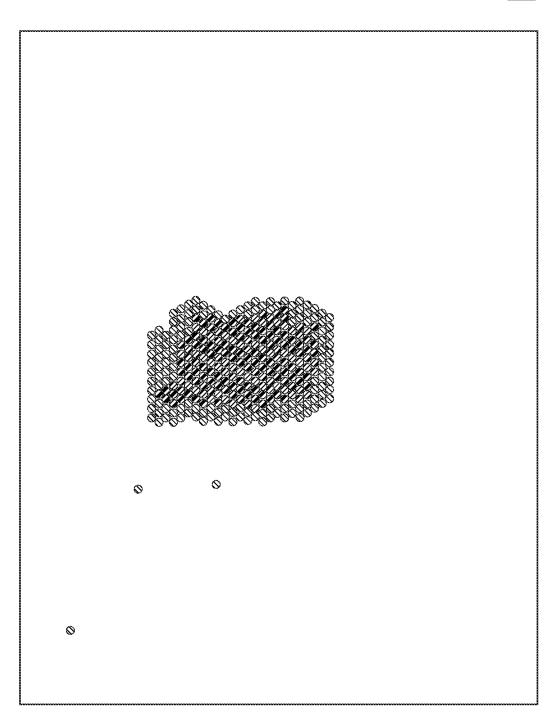
FIG. 13

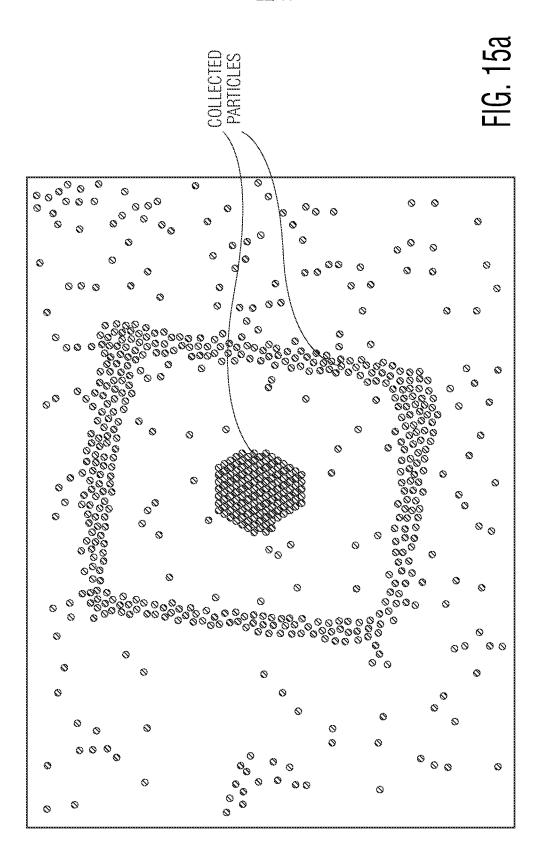
FIG. 14a



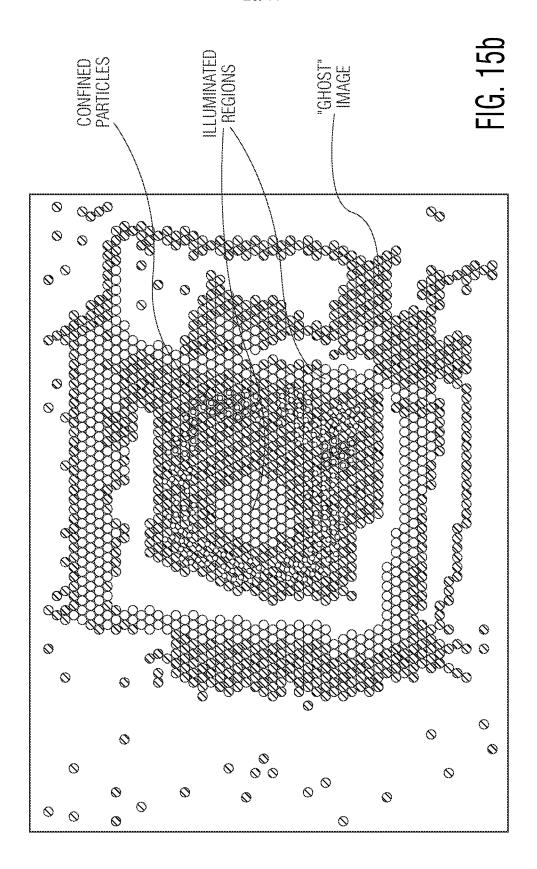


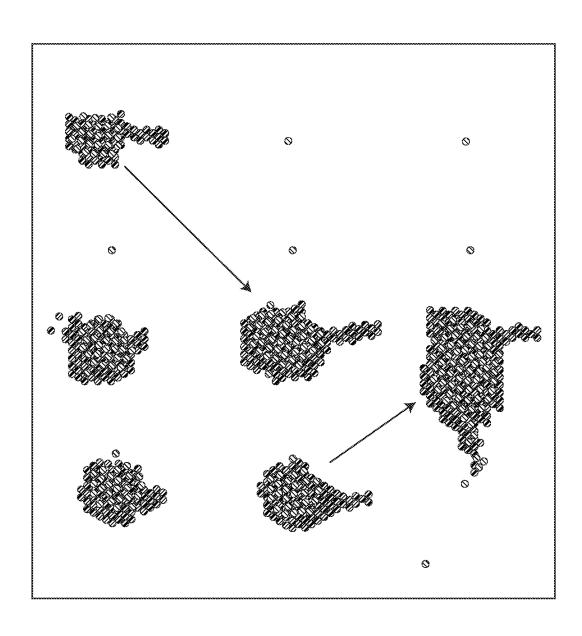


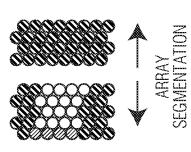


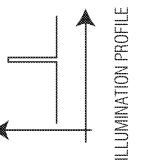


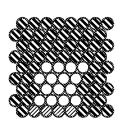
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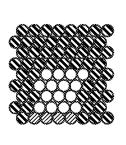




ILLUMINATION OF SUBARRAY BOUNDARY

DYNAMIC BEAD ARRAY WITH LABELED SUBARRAY





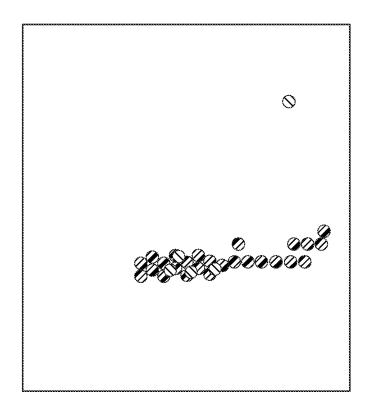


FIG. 18b

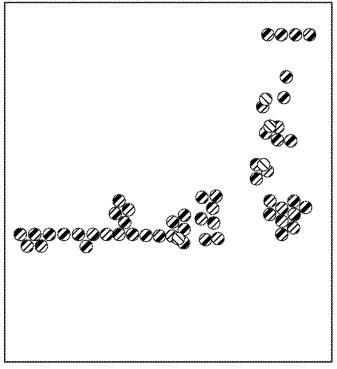
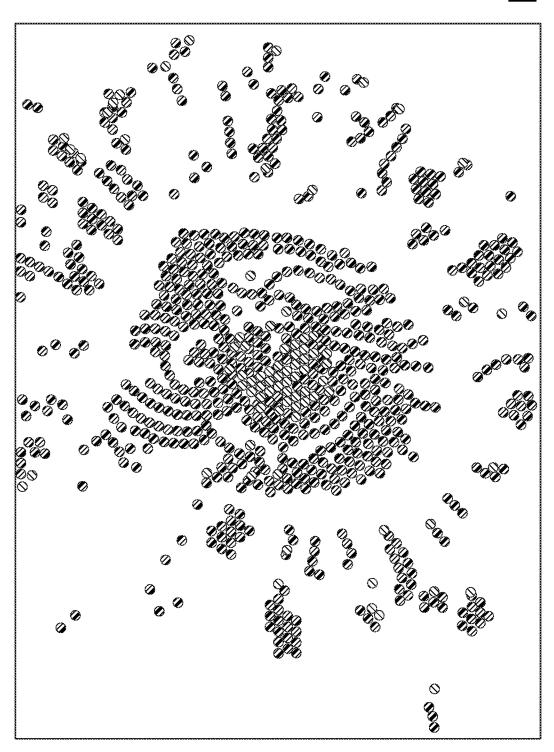
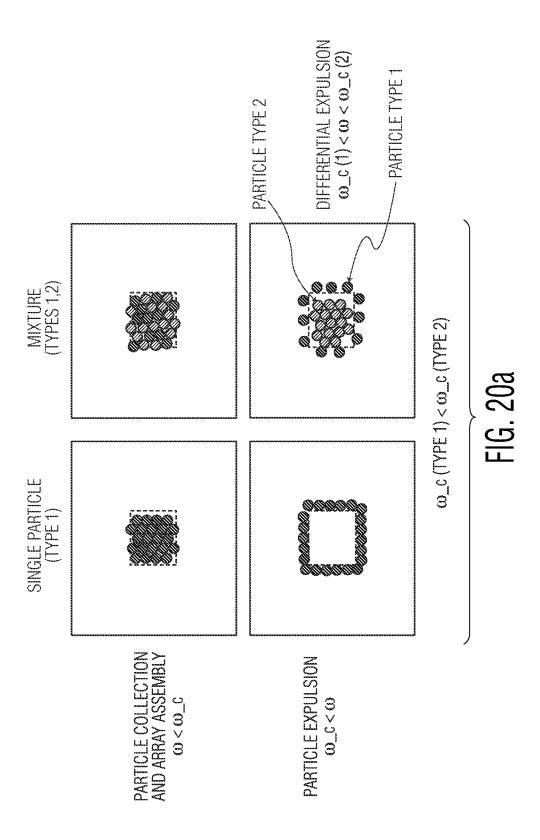
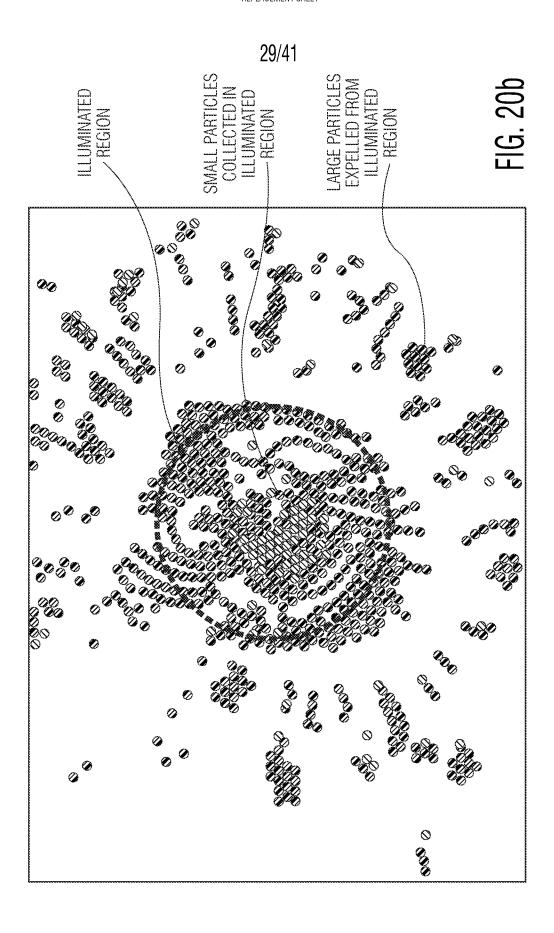


FIG. 18a







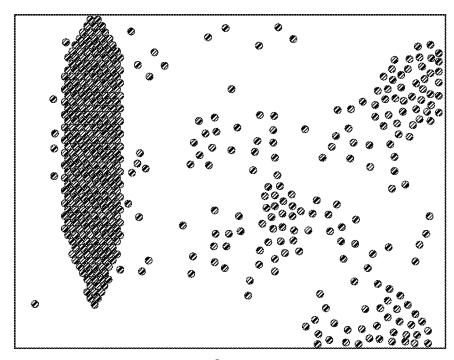


FIG. 21a

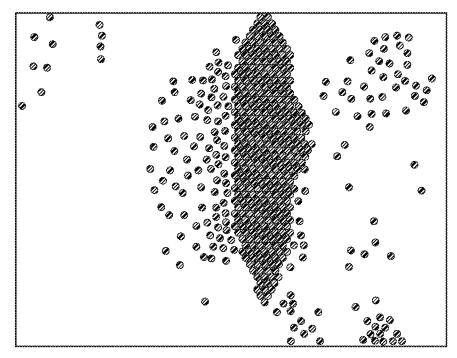


FIG. 21b

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ENCODING METHODOLOGIES

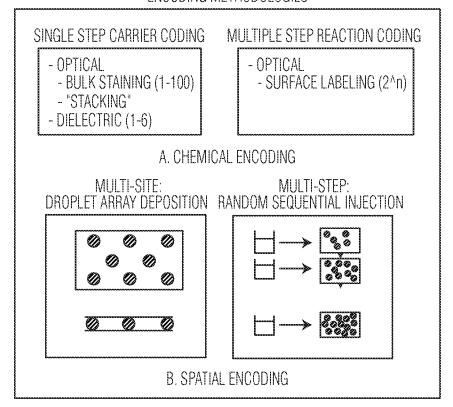


FIG. 22a

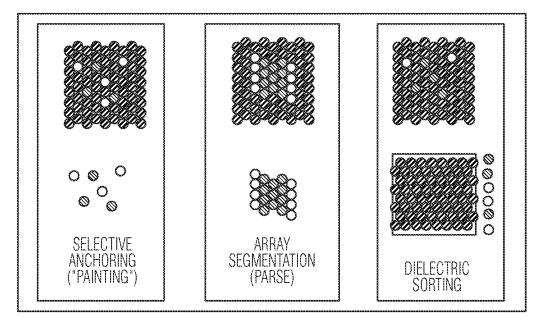


FIG. 22b

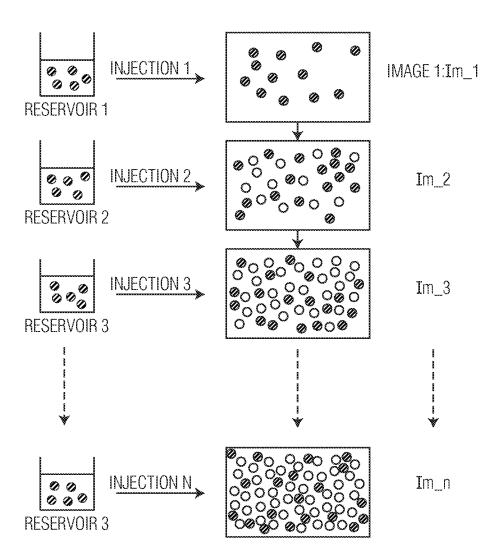


FIG. 23

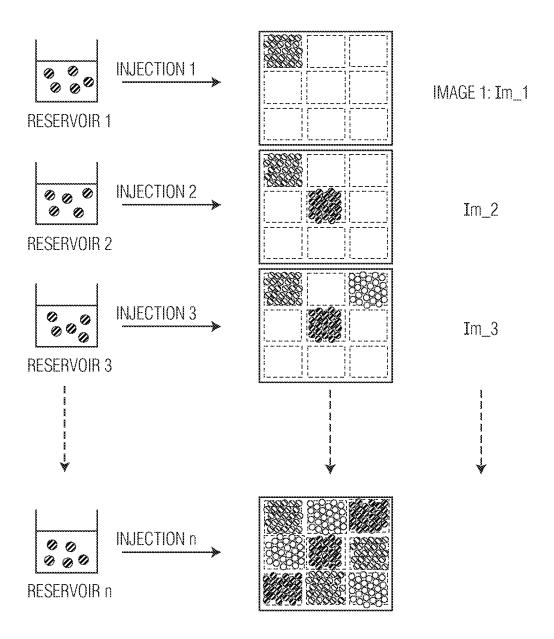


FIG. 24

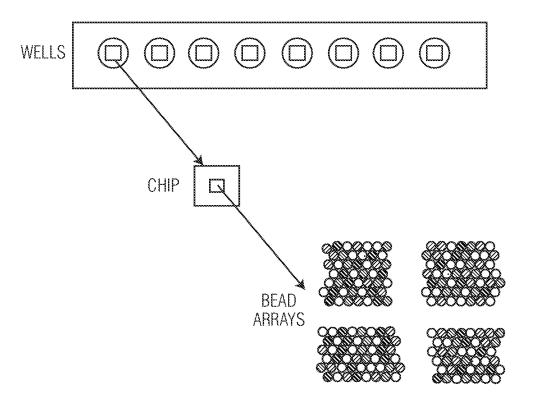


FIG. 25a

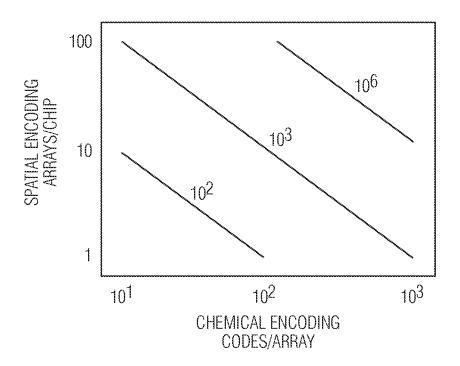


FIG. 25b

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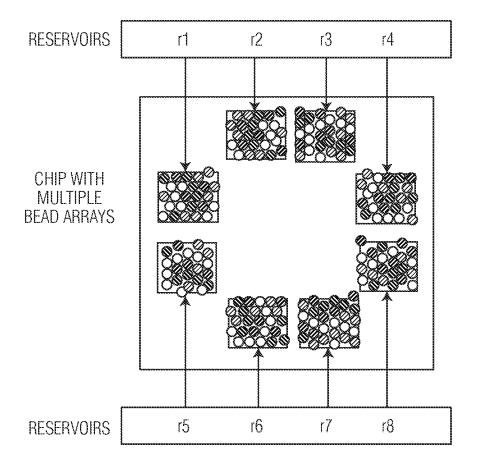


FIG. 25c

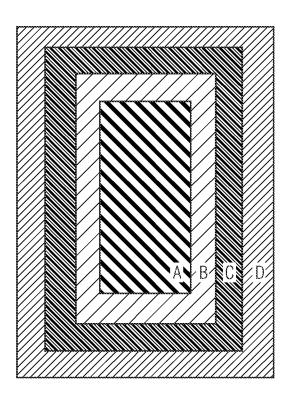


FIG. 26a

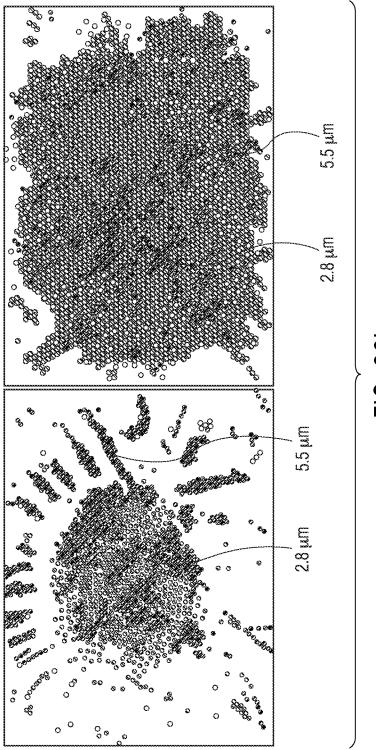
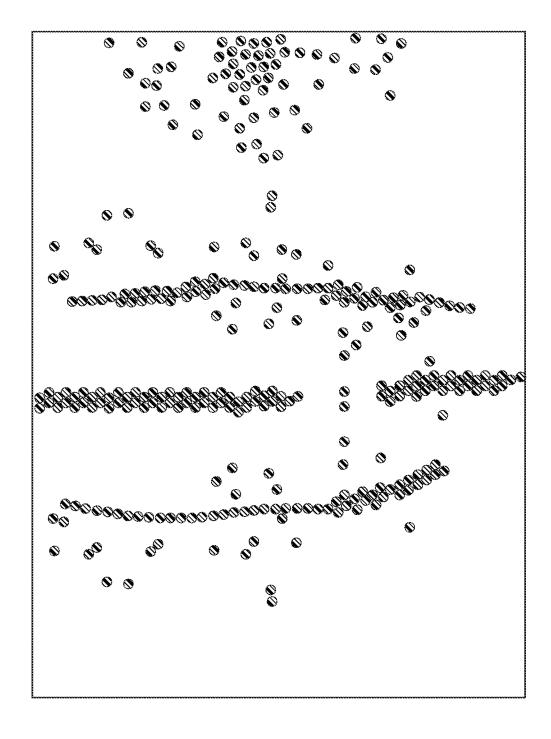


FIG. 26b



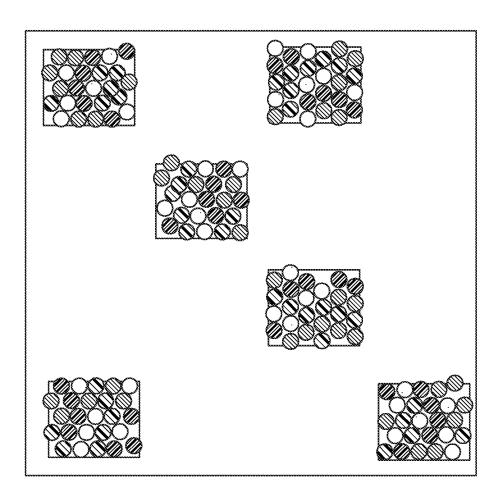


FIG. 28

